

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 28, 2003, 02:57:44 ; Search time 60 Seconds
(without alignments)
535.729 Million cell updates/sec

Title: US-09-308-829-2
Perfect score: 1232
Sequence: 1 MKKINIKIVITVILIST.....KDNRIIMKNKSHPDYLEK 235

Scoring table:
BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 510680 seqs, 136781880 residues

Total number of hits satisfying chosen parameters: 510680

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA:*

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1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/2/pubpaa/PCIT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*
6: /cgn2_6/ptodata/2/pubpaa/PCITUS_PUBCOMB.pep:*
7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep:*
8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
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11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep:*
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15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep:*
16: /cgn2_6/ptodata/2/pubpaa/US10C_NEW_PUB.pep:*
17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Match | Length | DB | ID | Description |
|------------|-------|-------|--------|----|-------------------|-------------------|
| 1 | 219 | 17.8 | 258 | 10 | US-09-870-759-14 | Sequence 14, Appl |
| 2 | 219 | 17.8 | 258 | 12 | US-09-751-708A-14 | Sequence 14, Appl |
| 3 | 211 | 17.1 | 251 | 8 | US-08-882-431-16 | Sequence 16, Appl |
| 4 | 211 | 17.1 | 251 | 15 | US-10-002-784A-16 | Sequence 16, Appl |
| 5 | 210 | 17.0 | 251 | 8 | US-08-973-391A-13 | Sequence 13, Appl |
| 6 | 193.5 | 15.7 | 217 | 11 | US-09-900-766-6 | Sequence 6, Appl |
| 7 | 183.5 | 14.9 | 233 | 11 | US-09-900-766-7 | Sequence 7, Appl |
| 8 | 183.5 | 14.9 | 233 | 11 | US-10-283-838-8 | Sequence 8, Appl |
| 9 | 183 | 14.9 | 220 | 15 | US-10-002-784A-26 | Sequence 26, Appl |
| 10 | 183 | 14.9 | 468 | 15 | US-10-002-784A-27 | Sequence 27, Appl |
| 11 | 179.5 | 14.6 | 257 | 10 | US-09-870-759-8 | Sequence 8, Appl |
| 12 | 179.5 | 14.6 | 257 | 12 | US-09-870-759-16 | Sequence 8, Appl |
| 13 | 177.5 | 14.4 | 233 | 11 | US-09-900-766-4 | Sequence 4, Appl |
| 14 | 177.5 | 14.4 | 233 | 15 | US-10-283-838-7 | Sequence 7, Appl |
| 15 | 177 | 14.4 | 265 | 8 | US-08-882-431-6 | Sequence 6, Appl |

| Query Match | Score | Match | Length | DB | ID | Description |
|-------------|-------|-------|--------|-------------------|-------------------|-------------------|
| 1 | 17.8% | 219 | 258 | 10 | US-09-870-759-14 | Sequence 14, Appl |
| 2 | 17.8% | 219 | 258 | 12 | US-09-751-708A-14 | Sequence 14, Appl |
| 3 | 17.1% | 251 | 8 | US-08-882-431-16 | Sequence 16, Appl | |
| 4 | 17.1% | 251 | 15 | US-10-002-784A-16 | Sequence 16, Appl | |
| 5 | 17.0% | 251 | 8 | US-08-973-391A-13 | Sequence 13, Appl | |
| 6 | 15.7% | 217 | 11 | US-09-900-766-6 | Sequence 6, Appl | |
| 7 | 14.9% | 233 | 11 | US-09-900-766-7 | Sequence 7, Appl | |
| 8 | 14.9% | 233 | 11 | US-10-283-838-8 | Sequence 8, Appl | |
| 9 | 14.9% | 220 | 15 | US-10-002-784A-26 | Sequence 26, Appl | |
| 10 | 14.9% | 468 | 15 | US-10-002-784A-27 | Sequence 27, Appl | |
| 11 | 14.6% | 257 | 10 | US-09-870-759-8 | Sequence 8, Appl | |
| 12 | 14.6% | 257 | 12 | US-09-870-759-16 | Sequence 8, Appl | |
| 13 | 14.4% | 233 | 11 | US-09-900-766-4 | Sequence 4, Appl | |
| 14 | 14.4% | 233 | 15 | US-10-283-838-7 | Sequence 7, Appl | |
| 15 | 14.4% | 265 | 8 | US-08-882-431-6 | Sequence 6, Appl | |

ALIGNMENTS

```
RESULT 1
US-09-870-759-14
; Sequence 14, Application US/09870759
; Patent No. US20020177551A1
; GENERAL INFORMATION:
; APPLICANT: TERMAN, David S
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
; FILE REFERENCE: 870759
; CURRENT APPLICATION NUMBER: US/09/870,759
; CURRENT FILING DATE: 2002-01-14
; PRIOR APPLICATION NUMBER: US 60/208,128
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 166
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 258
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-09-870-759-14

Query Match      17.8%  Score 219;  DB 10;  Length 258;
Best Local Similarity 26.3%;  Pred. No. 2.6e-13;
Matches 75;  Conservative 46;  Mismatches 82;  Indels 82;  Gaps 12;

1 MKKINIKIVITVILIST--TYFTYHQSQRKD-----ISNVK----- 37
||| ||| : | :||| ||| :|||
1 MKKFIILALFFETSLVISPKNANENIDSKRELKKSSELSSTALNNKMSYADKNP 60
||| ||| : | :||| ||| :|||
-----SDLYATITP-YDKQCRVNFSTHTLNTDQYRGKDYISSEM 82
38 -----SDLYATITP-YDKQCRVNFSTHTLNTDQYRGKDYISSEM 82
||| ||| : | :||| ||| :|||
61 IIGENKSTGDFLENTLLYKRFETDLINFEEDLLNFN----- 97
-----SYEASQKRRDHDVDFGLFTLNSHTEY-----YGGITPAONKNKYNH-KLGNLFI 135
||| ||| : | :||| ||| :|||
98 SKEMAQHRK-SKNVDVYPIKRSINCYGEIDRTACTYGCVPDHECNKLKRRKKIINIMI 156
||| ||| : | :||| ||| :|||
136 GGEQOONLNKKIIEKDIYTFQEIIDFKIRKYLMDWKIYDATS---PYVSGRIEITGTFKD 192
||| ||| : | :||| ||| :|||
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Db 157 NGVQKESLDKQVTDKKNVTVQELDAQARRYLQKDLKIYNNDLGKIQRGKIEFDSSDG 216
QY 193 KHEQIDLFDSPNEGTRSDIFAK----YKDNRIINNNKNSHEDIYL 233
Db 217 SKVSYDLFD-----VKGDPEPKQIRIYSDNKTLSLSTEHL-HIDIYL 255

RESULT 2
US-09-751-708A-14

Sequence 14, Application US/09751708A
Publication No. US20030157113A1
GENERAL INFORMATION:
APPLICANT: TERMAN, David S
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
FILE REFERENCE: 751708
CURRENT APPLICATION NUMBER: US/09/751,708A
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: US 60/173,371
PRIOR FILING DATE: 1999-12-28
NUMBER OF SEQ ID NOS: 166
SOFTWARE: PatentIn version 3.1
SEQ ID NO 14
LENGTH: 258
TYPE: PRT
ORGANISM: Staphylococcus aureus
US-09-751-708A-14

Query Match 17.8% Score 219; DB 12; Length 258;
Best Local Similarity 26.3% Pred No. 2.6e-13;
Matches 75; Conservative 46; Mismatches 82; Indels 82; Gaps 12;

QY 1 MKKINIKIVITIVILIS--TYFTYHOSDSKRD-----ISNVK----- 37
Db 1 MKKFILLALFETSLVISPVLNKNENIDSVKELMKKSELSTALNNMKHSYADKNP 60
QY 38 -----SDLYATITP-YDKDCRVNESTTHNLNIDTOYRKGDIYISSEM 82
Db 61 IIGENKSTGDFLENTLLYKKEFTDLINFDLLINFN----- 97
QY 83 SYEASQKFRDDHVDVFGFYILNSHTGEY-----YGGIPPAONKNVNH--KLGNLFI 135
Db 98 SKEMAQHRK-SKNVGVYPIRYSINCYGEIDTACTYGGVTPHEGNKLKERKKIINLMI 156
QY 136 SGEQOQNNKIKLEKDIYTFQELDKIRKYLMDNYKIYDATS---PYVSGRIEIGTRDG 192
Db 157 NGVQKESLDKQVTDKKNVTVQELDAQARRYLQKDLKIYNNDLGKIQRGKIEFDSSDG 216
QY 193 KHEQIDLFDSPNEGTRSDIFAK----YKDNRIINNNKNSHEDIYL 233
Db 217 SKVSYDLFD-----VKGDPEPKQIRIYSDNKTLSLSTEHL-HIDIYL 255

RESULT 3

US-08-882-431-16
Sequence 16, Application US/08882431
Publication No. US20030009015A1
GENERAL INFORMATION:
APPLICANT: Robert G. Ulrich,
APPLICANT: Mark A. Olson
APPLICANT: Sina Bavari
TITLE OF INVENTION: Bacterial Superantigen
TITLE OF INVENTION: Vaccines
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: John Moran
STREET: US Army MAMC -504 Scott Street MCMR-JA (John Moran-Patent Atty)
CITY: FORT DETRICK
STATE: MARYLAND
COUNTRY: USA
ZIP: 21702-5012
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh

OPERATING SYSTEM: Macintosh 7.5
SOFTWARE: Microsoft Word 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/882,431
FILING DATE: June 25, 1997
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Moran, John
REGISTRATION NUMBER: 26,313
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 619-2065
TELEFAX: (301) 619-7714
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 251
TYPE: Amino Acid
STRANDEDNESS: Unknown
TOPOLOGY: Unknown
MOLECULE TYPE: Peptide
US-08-882-431-16

Query Match 17.1% Score 211; DB 8; Length 251;
Best Local Similarity 27.8% Pred No. 1.5e-12;
Matches 72; Conservative 54; Mismatches 91; Indels 42; Gaps 14;

QY 2 KKNIKIKIVITIVILISTYFT-----YHOSDSKDISNVKSDLYAVITTP 48
Db 5 KKV-LKKVFEVLVFLGLITISQVEFAQDDPPSQLHRSLSLVKNQNT---YFLYEGDP 59
QY 49 YDKDCR-VNSTHTLNLIDQKIRGKY-YISSEMSIEASQKFRDDHVDVFGI-FYIL 105
Db 60 VTHENVKSVDDLRSDDLHYNVS--GPNYDKIKTELKQEMATLEKDNVDIYGEVYHL 116
QY 106 -----NSHTGEYIYGPAPONKNVNH-----KLGNLFIGESQOQNNKIKLEKDIY 155
Db 117 CYLCMAERSACTYGV---NHGHNLEIRKKIYKVSIDG--IQSLSPDIETKKKMYT 171
QY 156 FOEIDFKIRKYLMDNYKIY-DATSPYVSGRIEIGTRDGKHQIDLFDSPNEGTRSDIFAK 214
Db 172 AQELDYKRYKYLTDKQLYTNQPSKYETGYIKFIPKNKESWFDFEPPR-BETQSKYIMI 230
QY 215 YKDNRIINNNKNSHEDIYL 233
Db 231 YKDNETLD-SNTSQILEYVL 248

RESULT 4

US-10-002-784A-16
Sequence 16, Application US/10002784A
Publication No. US2003003664A1
GENERAL INFORMATION:
/33
APPLICANT: Ulrich, Robert G.
TITLE OF INVENTION: Bacterial Superantigen Vaccines
FILE REFERENCE: 003/233/SAP
CURRENT APPLICATION NUMBER: US/10/002,784A
CURRENT FILING DATE: 2001-11-26
PRIOR APPLICATION NUMBER: 08/882,431; 09/144,776
PRIOR FILING DATE: 97-06-25; 98-09-01
NUMBER OF SEQ ID NOS: 40
SOFTWARE: Apple Macintosh Microsoft Word 6.0
SEQ ID NO 16
LENGTH: 251
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE: Artificial sequence
OTHER INFORMATION: streptococcal pyrogenic exotoxin-A mutant
US-10-002-784A-16

```

RESULT 6
US-09-900-766-6
; Sequence 6, Application US/09900766
; Publication No. US20030039655A1
GENERAL INFORMATION:
APPLICANT: FORSBERG, GORAN
APPLICANT: ERLANDSSON, EVA
APPLICANT: ANTONSSON, PER
APPLICANT: WALSE, BJORN
TITLE OF INVENTION: A NOVEL ENGINEERED SUPERANTIGEN FOR HUMAN THERAPY
FILE REFERENCE: P02188U0;10104199
CURRENT APPLICATION NUMBER: US/09/900.766
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn version 3.0
SEQ ID NO 6
LENGTH: 217
TYPE: PRN
ORGANISM: Staphylococcus sp.
US-09-900-766-6

Query Match          15.7%: Score 193.5; DB 11; Length 217;
Best Local Similarity 27.6%: Pred. No. 6e-11;
Matches 63; Conservative 35; Mismatches 89; Indels 41; Gaps 9;

OY 17 LISTFYFTHOSDSKDISNVKSDLL-----YAATITPYDYKDCRVNFSTHTLTINDTQKY 71
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 14 LANAGGYNHPIFEK---NIKSDISEKDLIFNOGSDGNLRYKRTATA----- 60

OY 72 RGDVYTSSENSEASQKFRDHDVDFGL-FYI----LNSHGEVIYGGITPQNNKNV 126
   : | | | | : | | | | : | : | : | : | : | : | : | : | : | : | : |
Db 61 -----DLAQFK-NKVVDIYGASFYKCEKISENSEICLYGGTTLNSEKLQ 106

OY 127 HKLLG-NLFISGESQNLNKIIIEKDIYFOEIDFIKRYLMKNYYIYDATSPYVSGR 185
   : : : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 107 ERYVGAWWVDGIQKE--TELIRTKKNVTLOEIDIKIRILSLDKRYIKYKDEISKGL 164

OY 186 EIGRKDKHEOIDLEFDSPNEGTRSDIPAKYKDNRIINMKNFSHPDIYL 233
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 165 EFDMKTRPDYSFDIYDLKGEND-YEIDKIYEDNKTLSDDISHIVNL 211

RESULT 7
US-09-900-766-7
; Sequence 7, Application US/09900766
; Publication No. US20030039655A1
GENERAL INFORMATION:
APPLICANT: FORSBERG, GORAN
APPLICANT: ERLANDSSON, EVA
APPLICANT: ANTONSSON, PER
APPLICANT: WALSE, BJORN
TITLE OF INVENTION: A NOVEL ENGINEERED SUPERANTIGEN FOR HUMAN THERAPY
FILE REFERENCE: P02188U0;10104199
CURRENT APPLICATION NUMBER: US/09/900.766
CURRENT FILING DATE: 2001-07-06
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn version 3.0
SEQ ID NO 7
LENGTH: 233
TYPE: PRN
ORGANISM: Staphylococcus sp.
US-09-900-766-7

Query Match          14.9%: Score 183.5; DB 11; Length 233;
Best Local Similarity 25.8%: Pred. No. 6.2e-10;
Matches 61; Conservative 37; Mismatches 73; Indels 65; Gaps 11;

OY 11 FIIVILISNYFTYHOSDKSKDISNVKSDLLVATTIPYDYKDCRVNFSTHTLTINDTQK 70
   | : | : | | | | | : | : | : | : | : | : | : | : | : | : | : | : |
Db 47 FLNETTLFKGFETGH-----PW-YNDLLVLDGSKDA---TNK 79

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QY 71 YRGKDYIISSEMSYEASQKFRDDHVDVGLFIYILNSHG-----EYIGGITPAONNKY 125
Db 80 YKGR-----KVDLYGAYYGOCAGTTPNKTKACMYGGVTLHNNRL 119
QY 126 NH-KLLGNLFISGESQONLNKRIIEKDIYVFOEIDFKIRKYLMDNYKIYDATSPYVSQ 183
Db 120 TEKKVPIINLMIDGKQTTVPIDKVKTSKEVYVQELDQARHLHAKRFGIYNSDS--FGG 177
QY 184 RIEIG-----TKDGKHEQIDLEDSPEGTRSDIFAK-YKDNRIINKNFNSHPIYL 233
Db 178 KVQRGILVPHRSSEGSTVSYDLFDA--QGQYPTLLIRYRDNKNTINSENL-HIDLVL 230

RESULT 8
US-10-283-838-8
; Sequence 8, Application US/10283838
; Publication No. US20030092894A1
; GENERAL INFORMATION:

APPLICANT: Per Antonsson, Per Bjork, Mikael Dohlsten,
Abrahamson and Goran Forsberg

TITLE OF INVENTION: MODIFIED/CHIMERIC SUPERANTIGENS
AND THEIR USE

NUMBER OF SEQUENCES: 24

CORRESPONDENCE ADDRESS:

ADDRESSER: Pravel, Hewitt, Kimball & Krieger

STREET: 1177 West Loop South, 10th Floor

CITY: Houston

STATE: TX

COUNTRY: USA

ZIP: 77027-9095

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/283,838

FILING DATE: 30-Oct-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/695,692

FILING DATE: August 12, 1996

APPLICATION NUMBER: 9601245-5

FILING DATE: March 29, 1996

ATTORNEY/AGENT INFORMATION:

NAME: Krieger, Paul E.

REGISTRATION NUMBER: 25,886

REFERENCE/DOCKET NUMBER: 41986/1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 713-850-0909

TELEFAX: 713-850-0165

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 233 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 8:

US-10-283-838-8

Query Match 14.9% Score 183.5; DB 15; Length 233;
Best Local Similarity 25.8%; Pred. No. 6.2e-10;
Matches 61; Conservative 37; Mismatches 73; Indels 65; Gaps 11;
QY 11 FIIVILISTYFYTHQSDSKDISVKSDDLVAITTPYDKDCRVNSTHTLINDIQK 70
Db 47 FLENTLIFKGFTH-----PW-VNDLLVDLSKDA---TNK 79
QY 71 YRGKDYIISSEMSYEASQKFRDDHVDVGLFIYILNSHG-----EYIGGITPAONNKY 125
Db 80 YKGR-----KVDLYGAYYGOCAGTTPNKTKACMYGGVTLHNNRL 119

QY 126 NH-KLLGNLFISGESQONLNKRIIEKDIYVFOEIDFKIRKYLMDNYKIYDATSPYVSQ 183
Db 120 TEKKVPIINLMIDGKQTTVPIDKVKTSKEVYVQELDQARHLHAKRFGIYNSDS--FGG 177
QY 184 RIEIG-----TKDGKHEQIDLEDSPEGTRSDIFAK-YKDNRIINKNFNSHPIYL 233
Db 178 KVQRGILVPHRSSEGSTVSYDLFDA--QGQYPTLLIRYRDNKNTINSENL-HIDLVL 230

RESULT 9
US-10-002-784A-26
; Sequence 26, Application US/10002784A
; Publication No. US20030036644A1
; GENERAL INFORMATION:

APPLICANT: Ulrich, Robert G.

TITLE OF INVENTION: Bacterial Superantigen Vaccines

FILE REFERENCE: 003/233/SAP

CURRENT APPLICATION NUMBER: US/10/002,784A

CURRENT FILING DATE: 2001-11-26

PRIOR APPLICATION NUMBER: 08/882,431; 09/144,776

PRIOR FILING DATE: 97-06-25; 98-09-01

NUMBER OF SEQ ID NOS: 40

SOFTWARE: Apple Macintosh Microsoft Word 6.0

SEQ ID NO 26

LENGTH: 220

TYPE: PRT

ORGANISM: Artificial sequence

OTHER INFORMATION: mutant streptococcal pyrogenic exotoxin-A

US-10-002-784A-26

Query Match 14.9% Score 183; DB 15; Length 220;
Best Local Similarity 26.5%; Pred. No. 6.4e-10;
Matches 58; Conservative 50; Mismatches 89; Indels 22; Gaps 10;

QY 25 HOSDSKDISNVKSDLLVAITTPYDKDCR-VNFSSTHTLINDIQKRGDY-YISSEM 82
Db 11 HRSSLVKNLQNT-----FLYEGDPVTHENVKSVQDLRSHDLIYNS--GPNYDMLKTEL 63
QY 83 SYEASQKFRDDHVDVFG-----LFYILNSHGEIYIGGITPAONN--KVNHKLLGNLFI 135
Db 64 KNOENATLEFKDNINDIYGEVYHLCYLCENASACIGVTRNENHLEIPKVIYKSI 123
QY 136 SGEQONLNKRIIEKDIYVFOEIDFKIRKYLMDNYKIY-DATSPYVSRIETGRDKH 194
Db 124 DG--IQSLSFDETETKKMVAQELDYKVRKYLITDNKOLYTNGPSKYEYTGIFIRKNES 181
QY 195 EQIDLEDSPEGTRSDIFAKYKDNRIINKNFNSHPIYL 233
Db 182 FWFDFPEP-EFTQSKYLMYKDNETLDSN--TQIEVYL 217

RESULT 10
US-10-002-784A-27
; Sequence 27, Application US/10002784A
; Publication No. US20030036644A1
; GENERAL INFORMATION:

APPLICANT: Ulrich, Robert G.

TITLE OF INVENTION: Bacterial Superantigen Vaccines

FILE REFERENCE: 003/233/SAP

CURRENT APPLICATION NUMBER: US/10/002,784A

CURRENT FILING DATE: 2001-11-26

PRIOR APPLICATION NUMBER: 08/882,431; 09/144,776

PRIOR FILING DATE: 97-06-25; 98-09-01

NUMBER OF SEQ ID NOS: 40

SOFTWARE: Apple Macintosh Microsoft Word 6.0

SEQ ID NO 27

LENGTH: 468

TYPE: PRT

ORGANISM: Artificial sequence

FEATURE:

RESULT 14
US-10-283-838-7
Sequence 7, Application US/10283838
Publication No. US20030092894A1
GENERAL INFORMATION:
APPLICANT: Per Antonsson, Per Bjork, Mikael Dohlsten,
Johan Hansson, Terje Kalland, Lars
Abrahmsen and Goran Forsberg
TITLE OF INVENTION: MODIFIED/CHIMERIC SUPERANTIGENS
AND THEIR USE
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pravel, Hewlett, Kimball & Krieger
STREET: 1177 West Loop South, 10th Floor
CITY: Houston
STATE: TX
COUNTRY: USA
ZIP: 77027-9095
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/283,838
FILING DATE: 30-Oct-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/695,692
FILING DATE: August 12, 1996
APPLICATION NUMBER: 9601245-5
FILING DATE: March 29, 1996
ATTORNEY/AGENT INFORMATION:
NAME: Krieger, Paul E.
REGISTRATION NUMBER: 25,886
REFERENCE/DOCKET NUMBER: 41986/1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 713-850-0909
TELEFAX: 713-850-0165
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 233 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-10-283-838-7
Query Match 14.4%; Score 177.5; DB 15; Length 233;
Best Local Similarity 26.8%; Pred. No. 2.4e-09;
Matches 63; Conservative 39; Mismatches 74; Indels 59; Gaps 13;
QY 24 YHOSKSKDISNVKSDLYAYTI-----TPYD-YKDCRVNFTHTINIDTQKRGDY 76
DB 30 YYNEKATENKESHDQFLQHTILFKGFTDHSWINDLVDFSDSDYD---KKGK-- 83
QY 77 YISSEMSYASQKFKRDHVDVFGFLFYILNSHTG-----EYIGGITPAONNVK--KL 129
DB 84 -----KVDLYGAYVGYQCAGTTPNKTACMGVTLHDNNRLTEKKV 125
QY 130 LGNLFISGESQONLNKKITLLE-----KDIYFQEIDEFKIRKYLMDNRYKYDATSPYSGR 184
DB 126 PINMLDCK-----QNTVPLETVTKNKKNTVVOELDQARRYLQEKYMLYN--SDVFDGK 178
QY 185 IEIG-----TKDGKHEQIDLDFSPNEGTRSDIPAK-YKDNRIINMKNSHSDIYL 233
DB 179 VQRGILYVHTSTESVNTDLFGA--QGOYSNTLLRIYADNKTINSENM-HIDIYL 230

RESULT 15
US-08-882-431-6

Sequence 6, Application US/08882431
Publication No. US2003009015A1
GENERAL INFORMATION:
APPLICANT: Robert G. Ulrich,
APPLICANT: Mark A. Olson
APPLICANT: Sina Bavari
TITLE OF INVENTION: Bacterial Superantigen
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: John Moran
STREET: US Army MRC -504 Scott Street MCMR-JA (John Moran-Patent Atty)
CITY: FORT DETRICK
STATE: MARYLAND
COUNTRY: USA
ZIP: 21702-5012
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Macintosh 7.5
SOFTWARE: Microsoft Word 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/882,431
FILING DATE: June 25, 1997
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Moran, John
REGISTRATION NUMBER: 26,313
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 619-2065
TELEFAX: (301) 619-7714
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 265
TYPE: Amino Acid
STRANDEDNESS: Unknown
TOPOLOGY: Unknown
MOLECULE TYPE: Peptide
US-08-882-431-6
Query Match 14.4%; Score 177; DB 8; Length 265;
Best Local Similarity 24.6%; Pred. No. 3.1e-09;
Matches 70; Conservative 49; Mismatches 86; Indels 80; Gaps 14;
QY 2 KKNIIKIVFITVILI-----STVFTYHQSISK-----KDIS- 34
DB 3 KRLFIHVILFALILVISTPNVLAESQPDKPDDELHKSMTGLMEDMKYLYDDNHVSA 62
QY 35 -NVKS-----DLIXATTIPY-DYKDCRVNFTHTINIDTQYRKGDYIISSEMSYE 85
DB 63 INVNSIDQFLVFDLYSIKDKLADGVDNVRVEF-----KKKD----- 99
QY 86 ASQKFKRDHVDVFGFLFYI-----LNSHTG-----YIIGGITPAONNVK--KL 130
DB 100 LADKK-KDYVDVGANYYCYCSKNTINDINSHTDCKRKCMGGVTEHNGNOLDKYS 158
QY 131 GNLFISGESQONLNKKITLLEKDIYFQEIDEFKIRKYLMDNRYKYDATSPYSGRIETGT 189
DB 159 ITVRVFEDEGRKMLSPDVQYNNKRYTAQELDYLTIRYLVKNNKLEFNNSPYETGYIKF-- 216
QY 190 KDGHQEQIDLDFSPNEG-TRSDIFAKYKDNRIINMKNSHSDIYL 233
DB 217 IENQFWYDMAPAGDKFAQSKYLMYNDNKMVDSKDVK-DEVLYL 260

Search completed: August 28, 2003, 03:02:54
Job time : 61 secs